



## ***Management Plan***

**PRC-MP-SH-38174**

# **Written Respiratory Protection Program**

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**Project: CH2M HILL Plateau Remediation Company  
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### 1.0 SCOPE

This Written Respiratory Protection Program (WRPP) describes the elements that are required to be in place in CHPRC documents in order to have a complete WRPP as described in PRC-RD-SH-36716, *Respiratory Protection Program Requirements*.

### 2.0 REQUIREMENTS

Identify the requirement(s) and their source(s) in detail. Requirement statements are directly traceable (linkable) to a regulatory or contractually identified requirement. PRC-PRO-MS-40117, *Requirements Management Process*, [Appendix C](#) provides instructions on how to classify requirements.

**NOTE:** Refer to PRC-PRO-MS-589, *CH2M HILL Plateau Remediation Company Procedures*, Appendix A, for definition of the various requirement types.

#### 2.1 Purpose

#	Requirement	CHPRC Documents Implementing Requirements
1	A Written Respiratory Protection Program (WRPP) is to be used by facility and program management to determine what procedures are required to be used for worker respiratory protection.	PRC-RD-SH-36716 Section 3.1
2	When effective engineering, substitution or administrative controls are not feasible, or while they are being instituted, appropriate respirators shall be provided to employees and used according to this program.	PRC-RD-SH-36716 Section 3.1

#### 2.2 Applicability

#	Requirement	CHPRC Documents Implementing Requirements
1.	This Respiratory Protection Program governs all aspects of respiratory protection used by CHPRC Team employees, contractors and subcontractors.	PRC-RD-SH-36716 Section 1.0
2.	Contractors or subcontractors performing work for CHPRC, where respiratory protection is required, are to follow their specific contract requirements. Contractors performing work under the Hanford contract where respiratory protection is required must designate their own qualified RPPA who has the responsibility and authority within their own organization to manage their organization's respiratory protection program according to their contract requirements.. If a contract allows use of PRC-PRO-SH-120, the contractor must follow this program and its requirements.	PRC-RD-SH-36716 Section 2.0

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**3.0 SELECTION OF RESPIRATORS**

#	Requirement	CHPRC Documents Implementing Requirements
1.	Radiological Work Permit Preparers are responsible for determining respiratory protection requirements for radiological hazards.	PRC-PRO-RP-40021 Section 2.0
2.	Industrial Hygienists are responsible for determining respiratory protection requirements for physical, chemical, and biological hazards.	PRC-RD-SH-36716 Section 2.0 & Section 3.5 #1
3.	Respiratory protection equipment requirements will be documented on applicable permits, radiological work permits, confined space entry permits, asbestos permits, job hazard analyses (JHAs), or AJHAs, or other work control documents	PRC-RD-SH-36716 Section 2.0 & Section 3.5 #1
4.	Where respirator use is not required, CHPRC may provide respirators, at the request of employees, if an Industrial Hygienist determines that such respirator use will not in itself create a hazard. In addition, CHPRC must follow the requirements of this written respiratory protection program to ensure that any employee using a respirator is medically able to use that respirator, trained, fit tested and that the respirator is cleaned, stored, and maintained so that its use does not present a health hazard to the user.	PRC-RD-SH-36716 Section 3.1 #7
5.	Respirators must be selected based on the assigned protection factor and maximum use concentrations.	PRC-RD-SH-36716 Section 3.1 #3.2. & Section 3.2 #6

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#	Requirement	CHPRC Documents Implementing Requirements
6.	<p>Appropriate NIOSH certified respirators shall be selected and provided based on:</p> <ul style="list-style-type: none"><li>• The type and nature of the respiratory hazard(s) to which the worker is exposed;</li><li>• Immediately dangerous to life or health (IDLH) or oxygen deficient atmospheres;</li><li>• The location and ambient noise environment of the hazardous area;</li><li>• The period of time of which respiratory protection must be worn;</li><li>• The activities of workers in the hazardous area;</li><li>• The physical characteristics and functional capabilities and limitations of the various types of respirators;</li><li>• User factors that affect respirator performance and reliability;</li><li>• The effects of temperature extremes on the performance of the respirator.</li></ul>	PRC-RD-SH-36716 Sections 3.1 through 3.8 & Section 3.2 #2

**4.0 MEDICAL EVALUATION**

#	Requirement	CHPRC Documents Implementing Requirements
1.	Medical qualification for respirator wearers is identified through PRC-RD-SH-11058, <i>Occupational Medical Qualification and Monitoring</i> . The Occupational Medical Service Provider (OMSP) is responsible for the medical evaluation/qualification of respirator wearers.	PRC-RD-SH-11058
2.	Workers, who are required to wear a respirator, must have a medical examination prior to being fit tested or being issued a respirator for use.	PRC-RD-SH-36716 Section 3.3 #1
3.	If an employee has a change in their health status that may impact their ability to wear a respirator, they must report this to their supervisor. Additional medical evaluations may be required if an employee, supervisor, mask fit technician, or the RPPA identifies signs or symptoms that may negatively impact the safe use of a respirator. Additional medical evaluations may also be required if workplace conditions result in a substantial increase in the physiological stress on the worker.	PRC-RD-SH-36716 Section 3.3 #4

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#	Requirement	CHPRC Documents Implementing Requirements
4.	<p>The medical examination must be performed by a Physician or Licensed Health Care Provider (PLHCP) who has been provided with access to, or a copy, of this written respiratory protection plan and Employee Job Task Analysis (EJTA) or equivalent work description information.</p> <p>At a minimum, the PLHCP will conduct the examination according to OSHA 29 CFR 1910.134 Section (e) and ANSI Z88.6 – 1984 requirements. The results of each employee medical examination will be documented by the PLHCP and identify if the worker has any qualifications that limit their ability to wear respiratory protection equipment.</p> <p>The medical exam is valid until the expiration date assigned by the PLHCP.</p>	PRC-RD-SH-36716 Section 3.3 #2, #3, #4
5.	<p>The following information shall be provided to the medical provider before the recommendation on employee's ability to use a respirator:</p> <ul style="list-style-type: none"><li>• Types and weights of respirators for normal and emergency use;</li><li>• Typical work activities and expected physical effort,</li><li>• Environmental conditions, frequency and duration of use;</li><li>• Hazards for which the respiratory equipment will be worn including the potential exposures to reduced oxygen environments;</li><li>• The expected physical work effort; and temperature and humidity extremes that may be encountered;</li><li>• Additional personnel protective clothing and equipment to be worn while using respiratory protective equipment.</li></ul>	PRC-RD-SH-36716 Section 3.3 #4
6.	<p>Any person with a medical work restriction from the OMSP stating he/she should not use a respirator or who has medical restrictions shall follow those restrictions.</p>	PRC-RD-SH-37616 Section 3.3 #6
7.	<p>The RPPA shall provide the medical provider with a copy of the written respiratory protection program and a copy of OSHA Section E, Medical Evaluation.</p>	PRC-RD-SH-36716 Section 3.3 #5

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**5.0 FIT TESTING OF TIGHT FITTING RESPIRATOR MASKS**

#	Requirement	CHPRC Documents Implementing Requirements
1.	Employees required to wear a tight fitting respirator must pass a quantitative fit test prior to initial use. Fit testing must be performed. Fit testing is valid for one year from the date on which the fit testing or re-testing was performed. Documentation is verified using any of the following: <ul style="list-style-type: none"><li>• A HAMMER issued mask fit card</li><li>• Documentation provided by the PLHCP</li><li>• The ACES, PeopleSoft or Crystal Reports database</li><li>• A printout of the above databases</li></ul>	PRC-RD-SH-36716 Section 3.4 #1
2.	The fit test must be repeated upon request by the worker, a supervisor, a PLHCP, the RPPA or fit test technician. A fit test must be repeated whenever a user has a significant change that may affect the fit of a tight fitting respirator such as: change in weight (> 20 pounds or 10% of total weight), dental changes, facial scarring, cosmetic surgery, or other significant changes to the face sealing area, or user discomfort.	PRC-RD-SH-36716 Section 3.4 #5, #6
3.	Fit testing on filtering facepieces is not required for voluntary use, but where use is required N, P or R-100 filtering facepieces can be fit tested using the TSI Porta-Count fit testing system. N, P or R-95 filtering facepieces can be fit tested using the TSI Porta-Count system with the adapter accessory.	PRC-RD-SH-36716 Section 3.11 #15 & Section 3.1 #7



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**6.0 PROPER USE OF RESPIRATORS**

#	Requirement	CHPRC Documents Implementing Requirements
1.	All respirators shall be used for the purpose intended and in compliance with the conditions of their NIOSH certification and manufacturer's instructions for use.	PRC-RD-SH-36716 Section 3.1 #9 & Section 3.8
2.	<p>For pre-use inspection of tight fitting masks:</p> <ul style="list-style-type: none"><li>• Leave the respirator bag sealed until just before using the respirator. Prior to use, inspect the bag for rips or tears before removing the respirator.</li><li>• If the sealed respirator is damaged, and material defects are found, during the pre-use inspection, the wearer shall return the unused respirator to the facility/project respirator issuance point.</li><li>• Follow the inspection, donning and doffing steps in the respirator model specific checklist (Non-mandatory Job Aid checklists are available on the site forms website.)</li><li>• Perform a user seal check (positive and/or negative pressure check or as recommended by the manufacturer since not all models allow both checks to be performed) to detect leaks and to ensure proper function of the respirator as follows:</li><li>• Negative-pressure test: cover the filter or cartridge inlet(s) and gently inhale so that the mask collapses slightly. The mask should remain collapsed with no leaks detected for 10 seconds.</li><li>• Positive-pressure test: cover the exhalation valve and gently exhale into the face-piece. A slight positive pressure should be built up inside the face-piece without evidence of outward leaks.</li><li>• If a successful positive or negative user seal check cannot be obtained, in accordance with manufacturer's recommendations, do not use the respirator</li><li>• While wearing the respirator, ensure nothing interferes with an adequate face to face piece seal</li></ul>	PRC-RD-SH-36716 Section 3.1 #3
3.	Appropriate surveillance shall be maintained of work area conditions and the degree of employee exposure or stress. When there is a change in work area conditions, or degree of employee exposure or stress that may affect respirator effectiveness such as high temperatures, continued effectiveness of the respirator shall be reevaluated.	PRC-RD-SH-36716 Section 3.5 #1

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#	Requirement	CHPRC Documents Implementing Requirements
4.	Respirator wearers shall report any malfunction of respiratory protective equipment to the Respirator Issuer. The RPPA shall investigate the malfunction to determine the cause and to assure corrective measures are taken.	PRC-RD-SH-36716 Section 3.5 #3
5.	Employee shall use the provided respiratory protection in accordance with instructions and training received and shall guard against damage to the respirator.	PRC-RD-SH-36716 Section 3.5 #5
6.	Workers who have medical restrictions requiring the use of Powered Air Purifying Respirators (PAPRs), or who would prefer to select a PAPR for use, will be allowed to do so if the use of the PAPR does not create additional hazards.	PRC-RD-SH-36716 Section 3.2 #9
7.	<p>Respirator users will maintain the respirator in a clean, undamaged and functional state until returned.</p> <p>When respirators are used in radiologically contaminated areas, a radiological release survey will be required. Contact radiological control personnel to perform radiological release surveys in accordance with facility survey practice.</p> <p><b>NOTE:</b> <i>The facility survey practice must describe how positive control will be maintained until the respirator equipment is returned to the wearer or to the issuance station.</i></p>	PRC-RD-SH-36716
8.	Respirators used for fire fighting and emergency response must be available, inspected and used in accordance with this program.	PRC-RD-SH-36716 Section 3.11

## 6.1 Use of Air Purifying Respirators

#	Requirement	CHPRC Documents Implementing Requirements
1.	Air Purifying Respirators will be used according to a written procedure.	PRC-PRO-SH-120 Section 4.4

## 6.2 Use of Powered Air Purifying Respirators

#	Requirement	CHPRC Documents Implementing Requirements
1.	Powered Air Purifying Respirators will be used according to a written procedure.	PRC-PRO-SH-120 Section 4.0

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**6.3 Use of Air Line Respirators**

#	Requirement	CHPRC Documents Implementing Requirements
1.	Air Line Respirators will be used according to a written procedure.	PRC-PRO-SH-120 Section 4.5
2.	Supplied-air respirator hose must be used for approved (NIOSH) airline lengths. The hoses and connectors must be the same brand and NIOSH approved as the equipment being used.	PRC-RD-SH-36716 Sections 3.1 #3

**6.4 Use of Supplied Air Respirator Hoods**

#	Requirement	CHPRC Documents Implementing Requirements
1.	Supplied Air Respirator Hoods will be used according to a written procedure.	PRC-PRO-SH-120 Section 4.5
2.	Hooded, loose-fitting, supplied air respirators are not acceptable for immediately dangerous to life or health (IDLH) or oxygen deficient atmospheres.	PRC-RD-SH-37616 Section 3.2 #5
3.	Supplied-air respirator hose must be used for approved (NIOSH) airline lengths. The hoses and connectors must be the same brand and NIOSH approval as the equipment being used.	PRC-RD-SH-36716 Sections 3.1 #3

**6.5 Use of Self-Contained Breathing Apparatus**

#	Requirement	CHPRC Documents Implementing Requirements
1.	Self Contained Breathing Apparatus will be used according to a written procedure.	PRC-PRO-SH-120 Section 4.2
2.	Line Management will assign facility/project personnel to complete and document monthly SCBA inspections.	PRC-RD-SH-36716 Sections 7, 8, 9
3.	Complete the Record of Maintenance Card (Scott Aviation Part Number 98105-01) or comparable facility maintenance card.	PRC-RD-SH-36716 Sections 7, 8, 9

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**6.6 Use of Filtering Facepieces (Dust Masks)**

#	Requirement	CHPRC Documents Implementing Requirements
1.	Filtering Facepieces will be used according to a written procedure.	PRC-PRO-SH-120 Section 4.4
2.	<p>Do not select filtering face piece (dust mask) respirators for full shift protection against airborne agents measured or expected to be above the Permissible Exposure Limit/Threshold Limit Value (PEL/TLV).</p> <p>Use of filtering face pieces is appropriate for situations involving nuisance dust at levels measured or expected to be below the PEL/TLV.</p> <p>Filtering facepieces may be required or may be provided, approval by an Industrial Hygienist. For voluntary use in situations where conditions may generate nuisance level releases aerosols in the breathing zone or for protection from allergens.</p>	PRC-PRO-SH-120 Section 5.14 #2
3.	<p>Do not select filtering face pieces (dust masks) for protection against:</p> <ul style="list-style-type: none"><li>• Mists, vapors, or gases at any level</li><li>• Asbestos or other Occupational carcinogens as defined in PRC-RD-SH-10994, Occupational Carcinogen Control at any level.</li><li>• Hazardous agents whose toxicity results in a TLV less than 50 ug/M3, regardless of measured or expected airborne concentration.</li><li>• Other scenarios prohibited or not recommended by the manufacturer of the specific filtering face piece model being used.</li></ul>	PRC-RD-SH-37616 Section 3, #10
4.	CHPRC is not required to include in a written respiratory protection program those employees whose only use of respirators involves the voluntary use of filtering facepieces (dust masks).	PRC-RD-SH-36716 Section 3.1 #7

**6.7 Use of Chemical Biological, Radiological, Nuclear (CBRN) NIOSH Approved Respirators**

#	Requirement	CHPRC Documents Implementing Requirements
1.	CBRN respirators will be used according to a written procedure.	PRC-PRO-SH-120 Section 4.0

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**6.8 Use of Other Special Types of Respirators.**

#	Requirement	CHPRC Documents Implementing Requirements
1.	Other types of respirator will be used according to written procedures specific to that specific respirator.	PRC-PRO-SH-120 Section 4.0

**7.0 SCHEDULES FOR CLEANING, DISINFECTING, STORING, INSPECTING, REPAIRING, DISCARDING AND OTHERWISE MAINTAINING RESPIRATORS**

#	Requirement	CHPRC Documents Implementing Requirements
1.	All respiratory protection equipment must be maintained in clean and sanitary condition between each use.  Each type of equipment and each brand have specific manufacturer's recommendations for routine cleaning.	PRC-RD-SH-36716 Sections 1 through 4.
2.	Equipment which does not pass inspection or which are determined to be no longer suitable for their intended use will be removed from inventory and destroyed to prevent re-use.  Items which are no longer needed, but are suitable for use, will be reported to the RPPA who will determine whether the materials can be stored, managed as excess property, discarded or destroyed.  Items designated on the DOE high risk property must be protected against misuse, theft and misappropriation using lifecycle accountability from time of acquisition until final disposal.	PRC-PRO-SH-120 Section 5.3
3.	Tight fitting masks may be cleaned using an approved procedure, or by sending them to a contracted service such as UniTech.	PRC-PRO-SH-120 Section 5.1 #38
4.	When the respirator wearer reaches the end of their change-schedule for cartridges, detects vapor or gas breakthrough, encounters changes in breathing resistance, or leakage of the facepiece, they must leave the work area. The replacement or repair of the respirator shall be performed before return to the work area.	PRC-RD-SH-36716 Section 3.5 #4
5.	Cartridge disposal will follow waste disposal instructions.	PRC-PRO-EP-15333 Section 5.58
6.	Maintain, test, and prepare advanced respiratory protection equipment including airline regulator systems, SCBA, PAPR and escape compressed air cylinders.	PRC-RD-SH-36716 Section 5.1 #47
7.	Maintain manufacturer authorized training to service respiratory equipment types and brands used by CHPRC.	PRC-RD-SH-36716 Section 5.1 #43

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### 7.1 Issuance of Respirators

#	Requirement	CHPRC Documents Implementing Requirements
1.	When respirators are to be issued to workers, the facility/project issuing the respirators must establish a site specific, procedure for the control of respirators.	PRC-RD-SH-36716 Section 3.1  PRC-PRO-SH-120 Section 4.6
2.	To be issued a respirator, an employee (including subcontractors) must have: <ul style="list-style-type: none"> <li>• Current medical qualification to wear respiratory protection,</li> <li>• Current training for the type of respirator to be issued,</li> <li>• Current and successful mask fitting on make, model and size of tight-fitting respirator, if a mask is to be issued.</li> <li>• No facial hair or other conditions that interferes with the face seal of the respirator.</li> </ul>	PRC-RD-SH-36716 Section 3.3 #1, Section 3.4 #1, Section 3.9  PRC-PRO-SH-120 Section 4.6
3.	The log used for tracking issuance of respiratory equipment will be form A-6004-418. The log may be paper or maintained electronically. Each log must include a unique identifier assigned by the RPPA for the location or organization performing the issuance of respiratory protection equipment.  The original issuance logs will be maintained by the facility and a copy submitted by the facility SME or designee, to the CHPRC RPPA on paper or electronically within one week after the end of each month.	PRC-PRO-SH-120 Section 4.6 #3, 5.1 #33  PRC-PRO-SH-120 Section 4.6
4.	Before being issued, respirators must have been selected for the activity or work-site in accordance with this procedure by Industrial Hygienists or radiological control personnel (depending on whether non-radiological or radiological hazards are to be controlled). This selection will be in the work package, AJHA, RWP, or equivalent work documentation, which must be cited on the issuance log.	PRC-PRO-SH-120 Section 4.6 #4

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#	Requirement	CHPRC Documents Implementing Requirements
5.	When equipment is returned, the issuer will perform actions necessary to return the equipment to service in accordance with manufacturer's instructions. This may include: <ul style="list-style-type: none"> <li>• Cleaning regulators</li> <li>• Wiping down external surfaces</li> <li>• Recharging batteries</li> <li>• Sending equipment to HFD for testing, inspection or repair</li> <li>• Inspecting for damage or missing parts</li> <li>• Sending respirator masks to the laundry service for cleaning, inspection and bagging</li> <li>• Restocking equipment for issuance</li> </ul>	PRC-RD-SH-36716 Section 3.1 #4
6.	The issuer will report any respiratory program or equipment concerns to the RPPA using form A-6001-893.	PRC-PRO-SH-120 Section 5.2
7.	Store respirators and associated respiratory protection equipment in the facility/project respirator controlled distribution area: <ul style="list-style-type: none"> <li>• In a sanitary manner that will protect them from loss or damage, extreme temperatures (&lt; 110F, cold &gt;40F) or any other limitations specified by the manufacturer; sunlight, excessive moisture, damaging chemicals, dust or pests.</li> <li>• Store respirators in such a manner as to prevent distortion of the facepiece and elastomeric parts.</li> <li>• Store respirators in sealed plastic bags or other appropriate containers.</li> </ul>	PRC-RD-SH-36716 Section 3.6

### 8.0 BREATHING AIR QUALITY, QUANTITY AND FLOW

#	Requirement	CHPRC Documents Implementing Requirements
1.	A program for maintenance of respirators will include assurance of breathing air quality.	PRC-RD-SH-36716 Section 3.6 #1
2.	Grade D or better breathing air shall be used to fill SCBA and escape compressed air cylinders.	PRC-PRO-SH-120 Section 4.5, 5.23

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#	Requirement	CHPRC Documents Implementing Requirements
3.	Bottle Cart Use  Follow the Bottle Air–Cart Job Aid (A-6004-341) (instruction sheet) located inside of the box containing the breathing air manifold.	PRC-PRO-SH-120 Section 5.0I
4.	Ensure breathing air systems are approved for use and the air is tested at least every six months, in accordance with HNF-25698, <i>Benchtop Analysis of Grade D Breathing Air</i> .	HNF-25698,
5.	Grade D breathing air samples will be collected for field analysis or testing by Industrial Hygiene Equipment Services (IHES) trained persons.	HNF-25698
6.	Breathing air boxes (used to convert plant compressed air to breathing quality air) must be used in accordance with the manufacturer's operating instructions. The air intake must be located in a controlled area where air contaminants cannot be introduced.	PRC-RD-SH-36716 Sections 12, 13
7.	Breathing air shall not be used for purposes other than personal health and safety via a supplied-air respirator.  Breathing air shall not be used to drive tools, equipment, or instruments and conversely air for pneumatic tools shall not be used for breathing air. Breathing air connections will be of the Foster-Schrader type. Foster-Schrader fittings must not be used for compressed gas systems other than breathing air.	PRC-RD-SH-36716 Section 14

### 9.0 TRAINING IN RESPIRATORY HAZARDS AND PROPER USE OF RESPIRATORS

#	Requirement	CHPRC Documents Implementing Requirements
1.	Employees must be trained in the respiratory hazards to which they are potentially exposed during routine and emergency situations.	PRC-RD-SH-36716 Section 3.9
2.	Employees that are required to use respirators, their direct supervisors and respirator issuer's shall be trained.	PRC-RD-SH-36716 Section 3.9 #1, 4, 6, 8



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#	Requirement	CHPRC Documents Implementing Requirements
3.	<p>Employees that are required to use respirators shall demonstrate knowledge of at least the following:</p> <ul style="list-style-type: none"><li>• Why the respirator is necessary and how improper fit, usage, or maintenance can compromise the protective effect of the respirator;</li><li>• User seal check procedures (positive and/or negative as recommended by manufacturer) to be used each time a tight-fitting respirator is donned;</li><li>• The ability to properly don the respirator without assistance;</li><li>• What are the functions, limitations and capabilities of the respirator;</li><li>• Why engineering controls are not being applied or are not adequate and what effort is being made to reduce or eliminate the need of respirators;</li><li>• The nature, extent, and effects of respiratory hazards in the workplace;</li><li>• How to use the respirator effectively in emergency situations, including situations in which the respirator malfunctions;</li><li>• How to inspect, put on and remove, use, and check the seals of the respirator;</li><li>• What the procedures are for maintenance and storage of the respirator;</li><li>• How to recognize medical signs and symptoms that may limit or prevent the effective use of respirators and</li><li>• Applicable governmental regulations for specific substances.</li><li>• When fit testing is required</li><li>• How to recognize a certified respirator</li></ul>	PRC-RD-SH-36716 Section 3.9 #1
4.	<p>Emergency and rescue teams shall be trained in the use of respirators and emergency drills in their use.</p>	PRC-RD-SH-36716 Section 3.9 #7

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#	Requirement	CHPRC Documents Implementing Requirements
5.	Where escape only respirators are provided, employees assigned to the area shall be trained in their use.  Visitors and persons not assigned to the work area, but who will be in the area, will be briefed in the use of these respirators.	PRC-RD-SH-36716 Section 3.9 #9
6.	Project or activity-specific, supplemental respiratory protection training will be performed and documented according to a graded approach at the project or organizational level. Supplemental training does not take the place of otherwise required training. Supplemental training content must be approved by the RPPA.	PRC-GD-TQ-10624
7.	Retraining on respiratory protection will be conducted annually.	PRC-RD-SH-36716 Section 3.9 #4
8.	Respiratory protection training for contractors working under this work plan is the same as that required by CHPRC employees unless their contract allows them to work under their own approved written respiratory protection program.	PRC-RD-SH-36716 Section 3.1 #8
9.	Respirator training for CHPRC and subcontractor employees will include instruction in the selection, use, maintenance, storage of respirators, and topics specified in applicable OSHA and ANSI requirements.	PRC-RD-SH-36716 Section 3.9
10.	Respiratory protection training required by this plan must be evaluated and approved by the RPPA.	PRC-RD-SH-36716 Section 3.1 #8
11.	Respiratory training under the CHPRC is conducted in accordance with PRO-RD-11061, <i>Training Requirements</i> .	PRC-RD-TQ-11061 Section 2.3, #73, #74
12.	Training records will be kept that list the date and the type of training received, performance results (as appropriate) and instructor name(s).	PRC-RD-SH-36716 Section 3.9 #10

### 10.0 PROGRAM EVALUATION AND ASSESSMENT

#	Requirement	CHPRC Documents Implementing Requirements
1.	The RPPA will coordinate and document a tri-annual assessment of the program to evaluate its effectiveness in accordance with PRC-PRO-QA246, <i>Management Assessment</i> .	PRC-RD-SH-36716 Section 3.10 #1  PRC-PRO-QA-246

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#	Requirement	CHPRC Documents Implementing Requirements
2.	The RPPA will verify that each line organization has designated a Respiratory Protection Subject Matter Expert (SME). A respirator issuer, an established controlled distribution point, and implemented respirator issue and control requirements.	PRC-RD-SH-36716 Section 3.10 #1
3.	<p>In addition to ongoing surveillance, the program shall be periodically audited to ensure that:</p> <ul style="list-style-type: none"> <li>The program procedures reflect the requirements of current applicable regulations and industry accepted standards; and</li> <li>The program as implemented reflects the written procedures;</li> <li>When applicable, medical surveillance, including bioassay shall be carried out periodically to determine if respirator wearers are adequately protected;</li> <li>An occupational health provider shall determine the requirements of the medical surveillance program.</li> <li>Actions shall be taken to correct any defects or shortcomings found during the audit.</li> <li>Findings shall be documented, including plans to correct problem areas and target dates for completion.</li> </ul>	PRC-RD-SH-36716 Section 3.10 #2
4.	The RPPA shall regularly consult employees required to use respirators to assess employee views on program effectiveness and to identify any problems. Any problems that are identified during this assessment shall be corrected.	PRC-RD-SH-36716 Section 3.10 #3
5.	The RPPA will evaluate and verify qualifications of the persons who conduct respirator fit testing.	PRC-RD-SH-36716 Section 3.10 #4
6.	The RPPA will investigate and take appropriate corrective action for damaged, inadequately cleaned, or otherwise unacceptable respirator conditions as reported on the <i>Respirator Problem or Issue Form</i> A-6001-893.	PRC-RD-SH-36716 Section 3.10 #3
7.	The RPPA will determine if Respirator Problem or Issue Form A-6001-893 is to be processed in accordance with PRC-PRO-QA-052, <i>Issues Management</i> (e.g. issues resulting from a procedure non-compliance or a potential programmatic breakdown).	PRC-PRO-QA-052
8.	The RPPA shall maintain an active file of completed <i>Respirator Problem or Issue Forms</i> (A-6001-893) and subsequent problem/Issue resolutions.	PRC-RD-SH-36716 Section 3.10 #3

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### 11.0 PROGRAM PROVIDING RESPIRATORS, TRAINING AND MEDICAL EVALUATIONS

#	Requirement	CHPRC Documents Implementing Requirements
1.	Appropriate respirators shall be provided at no cost to employees and used according to this program.	PRC-RD-SH-36716 Section 3.1 #9
2.	Employees are provided with training and medical testing.	PRC-RD-SH-36716 Section 3.1 #9

### 12.0 FORMS

Respiratory Problem or Complaint (A-6001-893)

Respiratory Protection Equipment Issuance and Control Log Sheet (A-6004-418)

### 13.0 RECORDKEEPING

#	Requirement	CHPRC Documents Implementing Requirements
1.	All records generated by this program are processed and maintained in accordance with PRC-PRO-IRM-10588, <i>Records Management Processes</i> (see Records Capture Table below).	PRC-RD-SH-36716 Section 3.12

**Records Capture Table**

Name of Document	Submittal Responsibility	Retention Responsibility
Respirator Problem or Issue Form A-6001-893	Respirator user, issuer or Respiratory Protection SME	RPPA
Record of Maintenance Card 89105-01	SCBA Inspector	Facility for 2 year period then to HFD
Respiratory Protection Equipment Issuance Log Form A-6004-418	Line Management/Respirator Issuer	Facility
Respiratory Protection Work Package Records	Line Management/Respirator Issuer	Facility
Acceptance Testing Records for Compressor Breathing Air Systems	Line Management/Respirator Issuer	Facility

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Name of Document	Submittal Responsibility	Retention Responsibility
QA of Grade D Breathing Air	Monthly verification testing of vendor supplied bottled air	Industrial Hygiene Equipment Services
Respiratory Protection Training Records	HAMMER/Hanford Training	Facility
Fit Testing Records	HAMMER/Hanford Training	Facility
Respirator Medical Exam Records	OMSP	Per Contract
Exposure Assessment Data	Industrial Hygiene	Radiological Control/ Industrial Hygiene
Radiological Sampling or Monitoring Data	Radiological Control	Per CHPRC-00073
Exposure Assessment and Breathing Air Quality Archive Records	CHPRC IH Records Coordinator	Industrial Hygiene
Hydrostatic Testing Data for SCBA and Escape Cylinders	Hanford Fire Department	HFD
Advanced Respirator Systems Maintenance and Repair Data	Hanford Fire Department	HFD
Analytical Data for SCBA and Escape Cylinders	Hanford Fire Department	HFD
Issue Identification Form	Respiratory Program Admin. (RPPA)	Issues Management

### 14.0 REFERENCES

CHPRC-00073, *CH2M HILL Plateau Remediation Company Radiological Control Manual*  
 HNF-25698, *Benchtop Analysis of Grade D Breathing Air*  
 PRC-GD-TQ-10624, *A Systems Approach to Training*  
 PRC-PRO-EP-15333, *Environmental Protection Processes*  
 PRC-PRO-IRM-10588, *Records Management Processes*  
 PRC-PRO-MS-589, *CH2M HILL Plateau Remediation Company Procedures*  
 PRC-PRO-MS-40117, *Requirements Management Process*  
 PRC-PRO-QA-246, *Management Assessment*  
 PRC-PRO-RP-40021, *Radiological Work Permits*  
 PRC-PRO-SH-120, *Respiratory Protection*  
 PRC-RD-SH-11058, *Occupational Medical Qualification and Monitoring*  
 PRO-RD-SH-11061, *Training Requirements*  
 PRC-RD-SH-36716, *Respiratory Protection Program Requirements*